

# INTERNATIONAL SEARCH REPORT

Intern. Application No

PCT, NL 03/03928

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A47L9/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A47L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 904 816 A (SKOLFIELD W K) 22 September 1959 (1959-09-22) column 5, line 4 -column 6, line 50 figures	1,14
A	US 2 904 817 A (BRENNAN D H) 22 September 1959 (1959-09-22) column 5, line 33 -column 6, line 8 figures 5,6	1,14
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

9 December 2003

Date of mailing of the international search report

22/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Cabral Matos, A

# INTERNATIONAL SEARCH REPORT

Intern " I Application No

PCT, <sub>GB</sub> 03/03928

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE WPI  Section PQ, Week 199909  Derwent Publications Ltd., London, GB;  Class P28, AN 1999-099209  XP002264447  -&amp; JP 10 328092 A (TOKYO ELECTRIC CO LTD),  15 December 1998 (1998-12-15)  abstract  figures</p>	1,14
A	<p>PATENT ABSTRACTS OF JAPAN  vol. 1999, no. 04,  30 April 1999 (1999-04-30)  -&amp; JP 11 009523 A (KWANGJU ELECTRON CO  LTD), 19 January 1999 (1999-01-19)  abstract  figures</p>	1,14
A	<p>US 5 802 666 A (JUNG YOUNG-JUNE)  8 September 1998 (1998-09-08)  abstract  figures 3-5</p>	1,14
A	<p>US 5 950 275 A (WOERWAG P)  14 September 1999 (1999-09-14)  cited in the application  abstract  figures</p>	1,14
A	<p>DE 42 29 030 A (FA. FEDAG)  3 March 1994 (1994-03-03)  cited in the application  abstract  figures 3-24</p>	1,14

# INTERNATIONAL SEARCH REPORT

Internat Application No  
PCT/JP 03/03928

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2904816	A	22-09-1959	FR US	71406 E 2904817 A	04-01-1960 22-09-1959
US 2904817	A	22-09-1959	US FR	2904816 A 71406 E	22-09-1959 04-01-1960
JP 10328092	A	15-12-1998	NONE		
JP 11009523	A	19-01-1999	KR CN	208134 B1 1203063 A	15-07-1999 30-12-1998
US 5802666	A	08-09-1998	GB	2320421 A , B	24-06-1998
US 5950275	A	14-09-1999	DE FR GB	19706166 A1 2759571 A1 2322291 A	20-08-1998 21-08-1998 26-08-1998
DE 4229030	A	03-03-1994	DE	4229030 A1	03-03-1994